US Army Corps of Engineers

USACE Real Estate GIS Capabilities Survey and Real Property "Sites"

Namejs Ercums
USACE Real Estate Community of Practice

US Army Corps of Engineers

Purpose of the Briefing

- Overview of USACE Real Estate GIS Capabilities Survey and Real Property “Sites”
  - Current Status
  - Sites: Projects and Installations
  - Survey Results
  - Expectations

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USACE Enterprise GIS

- Deputy Commander Memo of 2 Jul 04
  - Called for eGIS: common architecture, data standards and file management software for geospatial technologies
  - Provided eGIS guidelines:
    - Commands develop eGIS Charter & Accounting Policy
    - Districts to have Geospatial POC and CADD Manager
    - Implement SDSFIE
  - Plan for a transition period to comply with eGIS Standards
- This eGIS effort supports and will help implement the Strategic Asset Management Initiative

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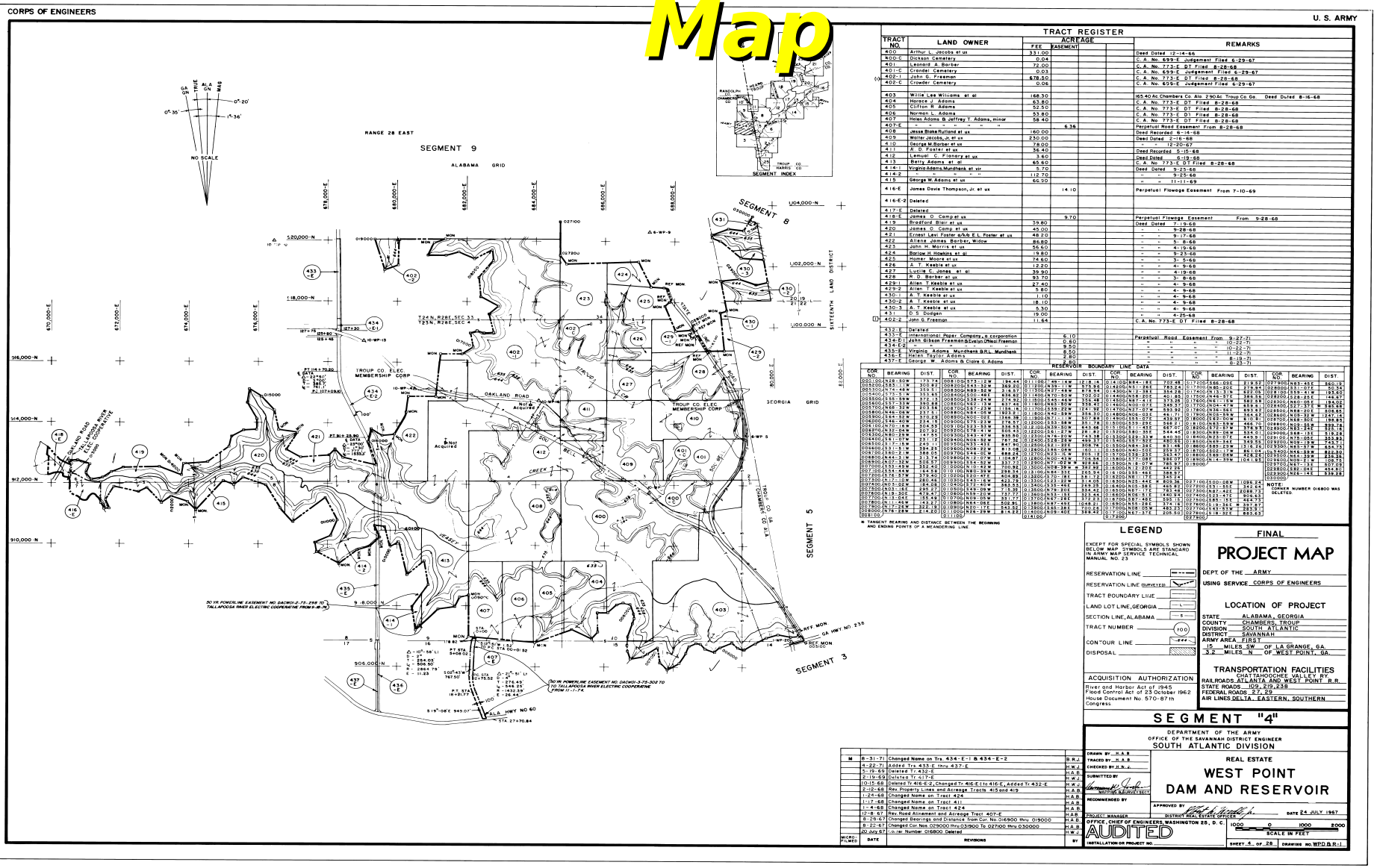
Need for GIS – One USACE District's Perspective

Current Situation – "Average" District

- Maintain about 3,800 Real Estate maps
- Maps: 4% Geo-referenced / 13% Scanned
- Issue with revising inked maps
- All new mapping performed electronically
- Legal descriptions written from digital or hardcopy maps

Map Files

Project Segment Map



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Historic Record

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Site Definition

A site is a physically defined location which can be supported by a legal cadastral survey. It can be owned, leased, or otherwise possessed or used.

May exist in one of three forms:

- Land only
- Facility or facilities only
- Land and all the facilities on it

A *site is the sum of all real property at a specific location*

(Report: Real Property Inventory Requirements, Installations & Environment, Business Transformation D[illegible]ary 2005)

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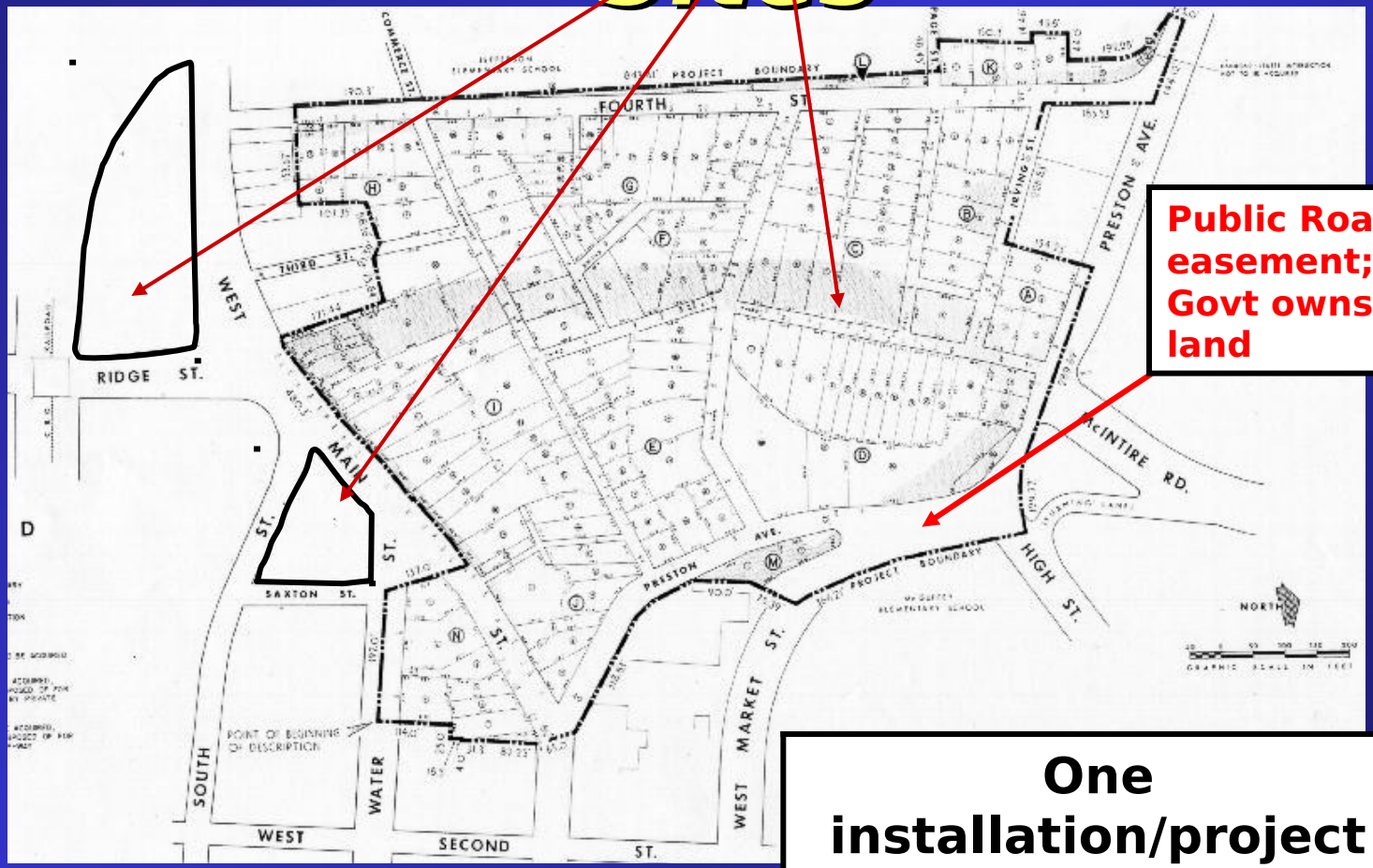
Project or Installation and Sites



Public Road easement; Govt owns land

One installation/project

Three sites

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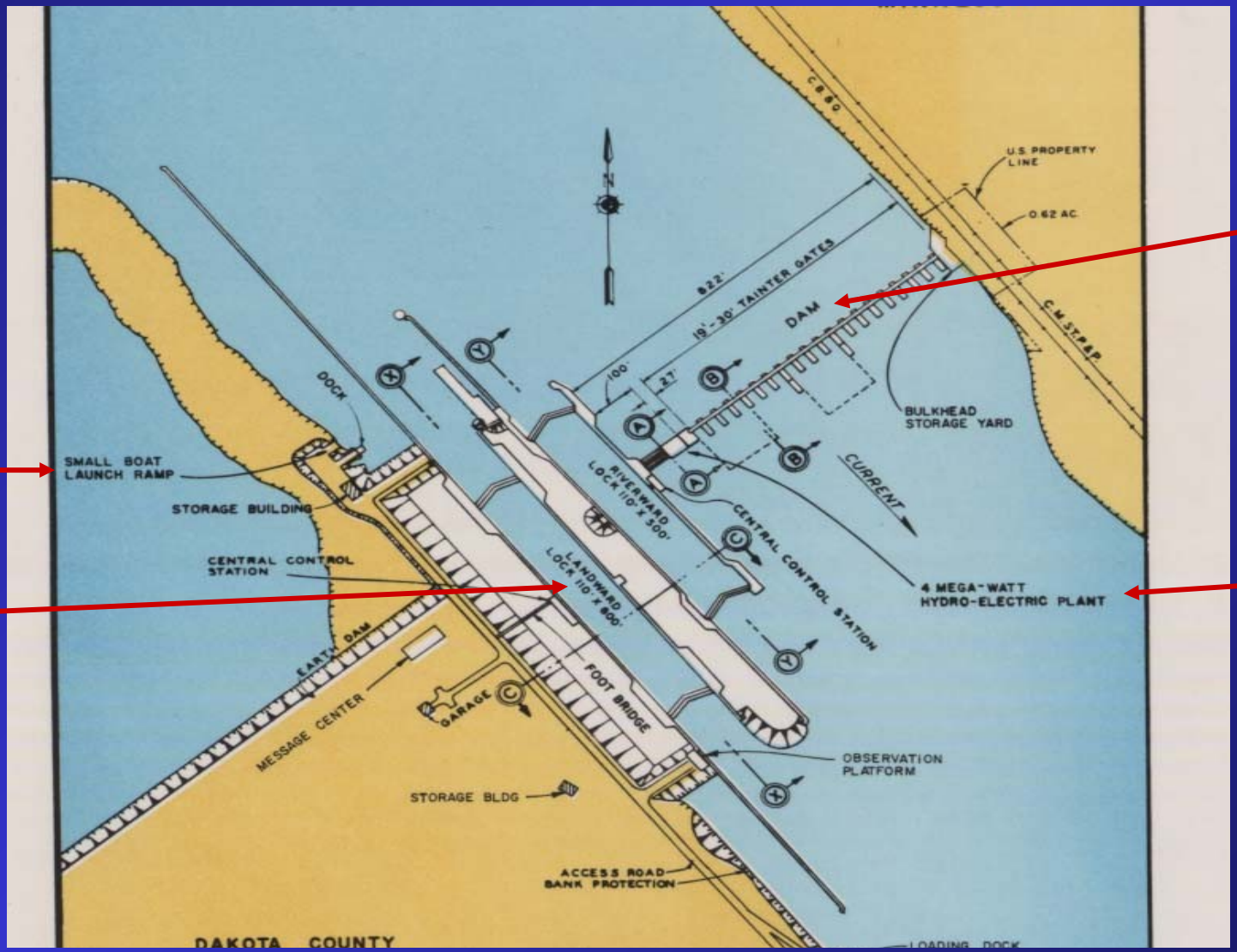
Civil Works Projects and Sites



Recreation

Navigation

Flood Control

Hydro-Power

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Civil Works Projects, Military Installations and Sites

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Real Estate GIS Capability Survey

- Survey occurred in ‘05-’06 concurrent with DISDI Site Registry Initiative and Installation Boundary Pilot Project
- Questionnaire sent to and received for all 38 USACE Districts
- Survey analysis to be accomplished within upcoming USACE Strategic Study for Moving Real Estate Functions into a GIS Environment
- Preliminary response totals are presented unedited

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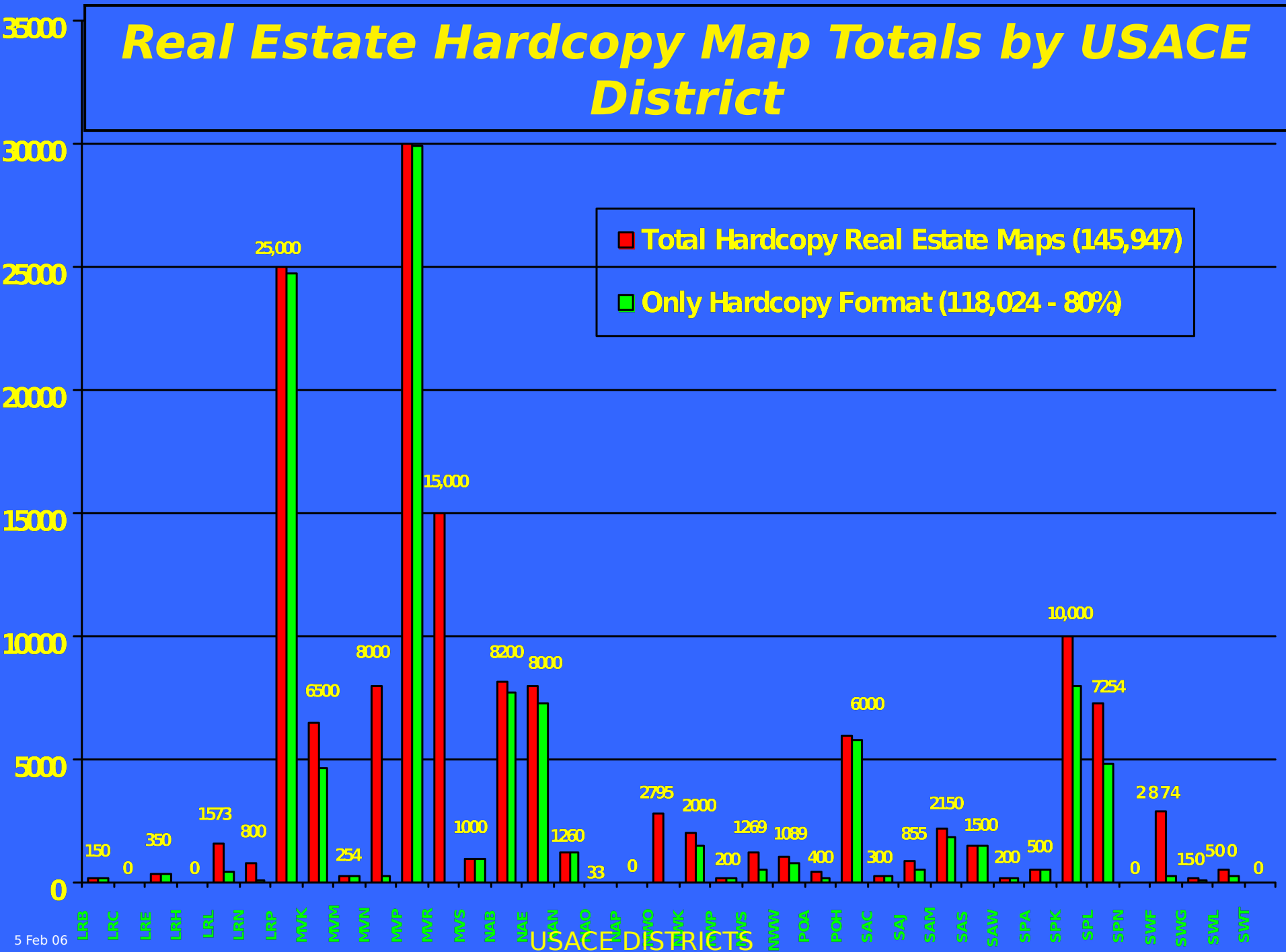
The Corps

145,947 Hard Copy Maps

106,143 Are maps of Civil Projects

Real Estate Hardcopy Map Totals by USACE District



Which do you use to manage your Real Estate Map data? (CADD, GIS)?

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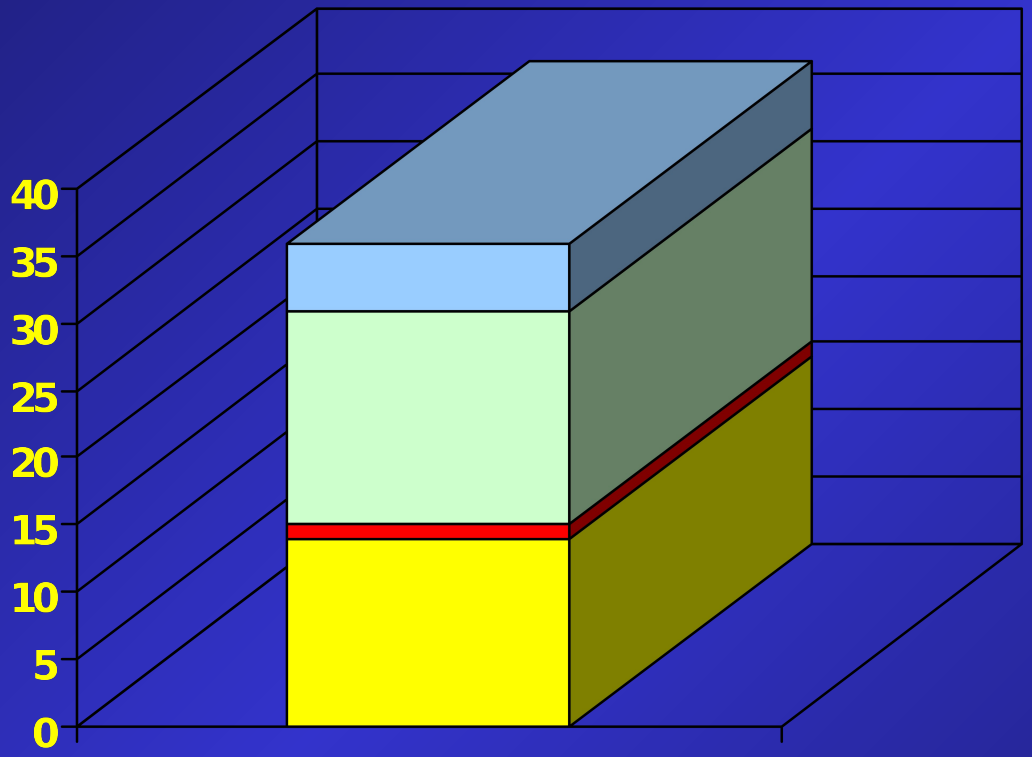
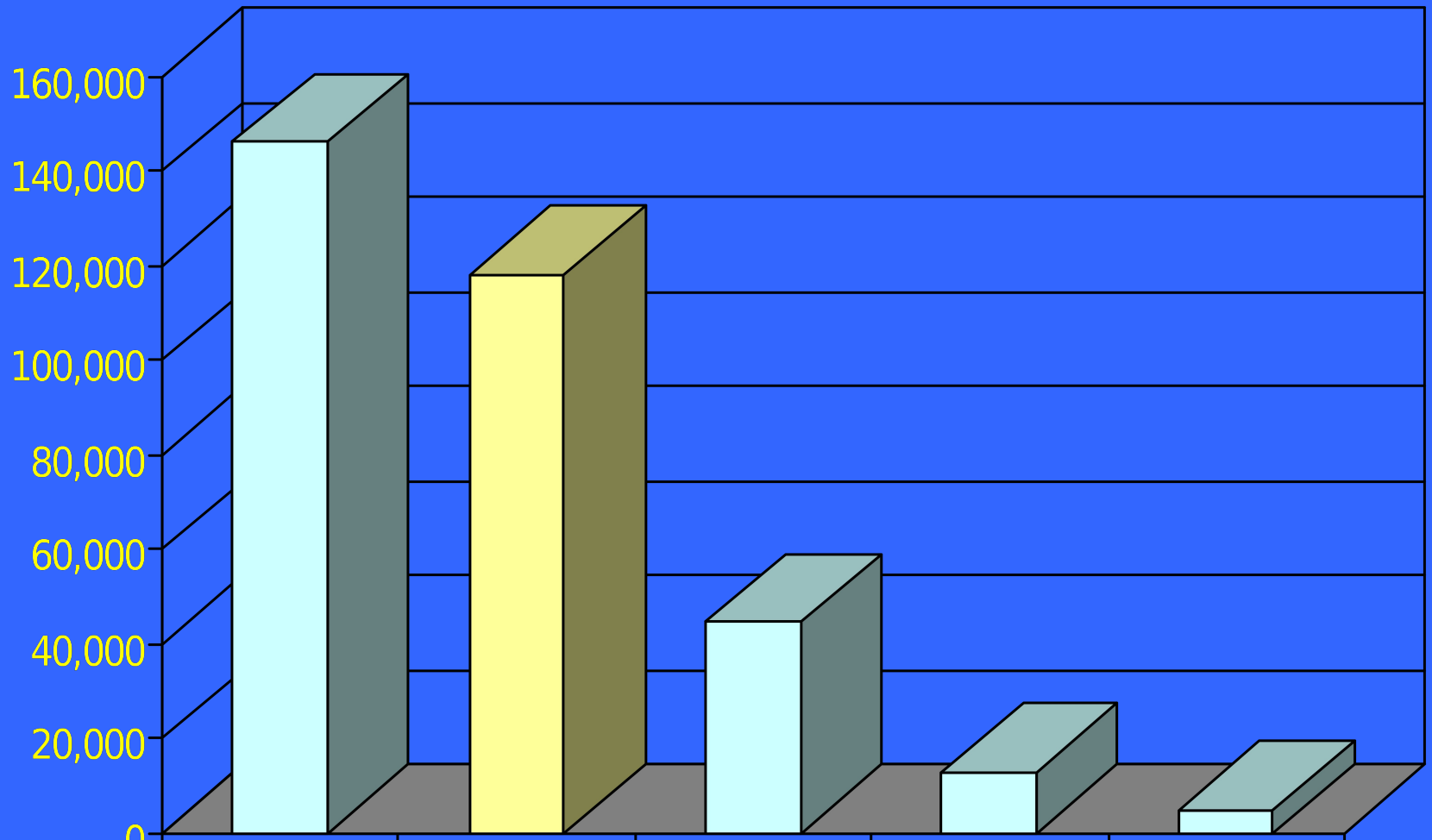


Neither	5
Both	16
GIS	1
CADD	14

USACE Real Estate Map Type and Data Format Totals



	Total Hardcopy Real Estate Maps	Only Exists in Hardcopy Format	Hardcopy Photographed or Reproducible	Scanned Image with No Georeferencing	Scanned Image and Georeferenced
Map Totals	145,947	118,024	44,672	12,841	5,064
% of Total	100	80	31	9	4

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GIS-Real Property Inventory Expectations

- All Real Estate Maps Geo-referenced
- Access for entire Department (eGIS)
- Land Tract Information Readily Available

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Questions?

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